

ABSTRACT

A system for cleaning abrasive sanding and/or planing media (e.g., sandpaper, wide belt sanding belts, planers, grinding wheels or other abrasive surfaces) while in-situ in the sanding, planing, grinding equipment, (or when removed), while the abrasive media is being used (or while the abrasive media is not being used); by means of propelling dry ice (CO₂, solid carbon dioxide) particles towards the abrasive surface causing the dry ice particles to impact at high velocity on the abrasive media while rotating the abrasive surface so that the dry ice particles impact different locations of the abrasive media surface. The dry ice (CO₂, solid carbon dioxide) particles are propelled as to impact the abrasive surface at varying angles and locations as necessary to effectively clean the abrasive surface. The system disclosed herein will allow for the abrasive media to be cleaned while the abrasive media is being used for its' intended purpose and thereby reducing equipment downtime usually associated with cleaning and/or changing the abrasive media due to becoming dirty and/or worn.

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